

L5 ANSWER 14 OF 18 MEDLINE on STN DUPLICATE 12
 AN 2000251306 MEDLINE
 DN PubMed ID: 10785540
 TI Oxidative metabolism of anandamide.
 AU Burstein S H; Rossetti R G; Yagen B; Zurier R B
 CS Department of Biochemistry, University of Massachusetts Medical School, 55
 Lake Avenue North, Worcester, MA, USA.. sumner.burstein@umassmed.edu
 NC DA09017 (NIDA)
 DA09439 (NIDA)
 DA12178 (NIDA)
 SO Prostaglandins & other lipid mediators, (2000 Apr) 61 (1-2) 29-41. Ref:
 33
 Journal code: 9808648. ISSN: 1098-8823.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 General Review; (REVIEW)
 (REVIEW, TUTORIAL)
 LA English
 FS Priority Journals
 EM 200007
 ED Entered STN: 20000720
 Last Updated on STN: 20000720
 Entered Medline: 20000713
 AB In addition to the well studied hydrolytic metabolism of anandamide, a
 number of oxidative processes are also possible. Several routes somewhat
 analogous to the metabolism of free arachidonic acid have been reported.
 These involve mediation by various lipoxygenases and COX-2 and
 lead to **ethanolamide** analogs of the prostaglandins and HETES.
 The physiological significance of these products is not well understood at
 this time. There are also preliminary data suggesting a pathway involving
 oxidation of the hydroxy group of anandamide to a putative metabolite,
 N-arachidonyl glycine (AA-gly). This molecule displays activities in
 experimental models that suggest that it may play a role in some of the
 activities attributed to its precursor, anandamide.

	Type	Hits	Search Text	DBs
1	BRS	3607	cox-2 or (cyclooxygenase near2 "2")	USPAT; US-PGPUB; EPO; JPO; DERWENT;
2	BRS	4075	cox-2 or (cyclooxygenase near2 "2") or cox2	USPAT; US-PGPUB; EPO; JPO; DERWENT;
3	BRS	2065	(cox-2 or (cyclooxygenase near2 "2") or cox2) and (detecting or detect or measure or measuring)	USPAT; US-PGPUB; EPO; JPO; DERWENT;
4	BRS	35	((cox-2 or (cyclooxygenase near2 "2") or cox2) and (detecting or detect or measure or measuring)) and (pgh2)	USPAT; US-PGPUB; EPO; JPO; DERWENT;
5	BRS	655	((cox-2 or (cyclooxygenase near2 "2") or cox2) and (detecting or detect or measure or measuring)) and metabolite	USPAT; US-PGPUB; EPO; JPO; DERWENT;
6	BRS	112	((((cox-2 or (cyclooxygenase near2 "2") or cox2) and (detecting or detect or measure or measuring)) and metabolite) and (pgi or pgb or pgh or pgf)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
7	BRS	3	((cox-2 or (cyclooxygenase near2 "2") or cox2) and (detecting or detect or measure or measuring)) and (pgh2-ea)	USPAT; US-PGPUB; EPO; JPO; DERWENT;
8	BRS	11	(cox-2 or (cyclooxygenase near2 "2") or cox2) and ((prostaglandin near2 ethanolamides) or (thromboxane near2	USPAT; US-PGPUB; EPO; JPO; DERWENT;
9	BRS	7	((cox-2 or (cyclooxygenase near2 "2") or cox2) and ((prostaglandin near2 ethanolamides) or (thromboxane near2 ethanolamides))) and (detecting or	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
10	BRS	10	((cox-2 or (cyclooxygenase near2 "2") or cox2) and (detecting or detect or measure or measuring)) and ((arachidonyl near2 ethanolamide) or	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
11	BRS	653	(cox-2 or (cyclooxygenase near2 "2") or cox2) and (ETHANOLAMIDE OR ANANDAMIDE OR THROMBOXANE)	USPAT; US-PGPUB; EPO; JPO; DERWENT;
12	BRS	463	((cox-2 or (cyclooxygenase near2 "2") or cox2) and (ETHANOLAMIDE OR ANANDAMIDE OR THROMBOXANE)) and (detecting or detect or measure or	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
13	BRS	57	(cox-2 or (cyclooxygenase near2 "2") or cox2) near10 (ETHANOLAMIDE OR ANANDAMIDE OR THROMBOXANE)	USPAT; US-PGPUB; EPO; JPO; DERWENT;
14	BRS	9	"9714679"	USPAT; US-PGPUB; EPO; JPO; DERWENT;

	Type	Hits	Search Text	DBs
15	BRS	5	"6045773"	USPAT; US-PGPUB; EPO; JPO; DERWENT;
16	BRS	48694	cyclooxygenase or cox or cox2 or cox-2	USPAT; US-PGPUB; EPO; JPO; DERWENT;
17	BRS	2	((cyclooxygenase or cox or cox2 or cox-2) and (prostaglandin near2 e2)) and aea	USPAT; US-PGPUB; EPO; JPO; DERWENT;
18	BRS	262	((cyclooxygenase or cox or cox2 or cox-2) and (prostaglandin near2 e2)) and (measuring or measure or detect or	USPAT; US-PGPUB; EPO; JPO; DERWENT;
19	BRS	3	((((cyclooxygenase or cox or cox2 or cox-2) and (prostaglandin near2 e2)) and (measuring or measure or detect or detecting)) and ethanolamide	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
20	BRS	420	(cyclooxygenase or cox or cox2 or cox-2) and (prostaglandin near2 e2)	USPAT; US-PGPUB; EPO; JPO; DERWENT;
21	BRS	0	((((cyclooxygenase or cox or cox2 or cox-2) and (prostaglandin near2 e2)) and (measuring or measure or detect or detecting)) and (arachidonoyl near2	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
22	BRS	1	((((cyclooxygenase or cox or cox2 or cox-2) and (prostaglandin near2 e2)) and (measuring or measure or detect or detecting)) and (anandamide near2	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
23	BRS	28	l1 and ethanolamide	USPAT; US-PGPUB; EPO; JPO; DERWENT;
24	BRS	48694	cyclooxygenase or cox or cox2 or cox-2	USPAT; US-PGPUB; EPO; JPO; DERWENT;

Sean Hickey

d his

(FILE 'HOME' ENTERED AT 09:58:49 ON 03 NOV 2004)

FILE 'MEDLINE, CAPLUS, BIOSIS, AGRICOLA' ENTERED AT 09:58:59 ON 03 NOV 2004

L1 24228 S COX2 OR COX-2 OR CYCLOXYGENASE
L2 5015 S L1 AND (MEASUR? OR DETECT?)
L3 1 S L2 AND ((ARACHIDONYL (2N) ETHANOLAMIDE) OR AEA)
L4 2 S L2 AND PG-EA
L5 391 S L2 AND METABOLITE
L6 123 S L5 AND (ETHANOLAMIDE OR ANANDAMIDE OR THROMBOXANE)
L7 57 DUP REM L6 (66 DUPLICATES REMOVED)
L8 5 S L7 AND SUBSTRATE

FILE 'STNGUIDE' ENTERED AT 10:03:20 ON 03 NOV 2004

FILE 'MEDLINE, CAPLUS, BIOSIS, AGRICOLA' ENTERED AT 10:11:39 ON 03 NOV 2004

L9 450 S L2 AND (ETHANOLAMIDE OR ANANDAMIDE OR THROMBOXANE)
L10 134 S L2 AND ((MEASUR? OR DETECT?) (10N) (ETHANOLAMIDE OR ANANDAMI
L11 57 DUP REM L10 (77 DUPLICATES REMOVED)

=>

(FILE 'HOME' ENTERED AT 13:31:48 ON 03 NOV 2004)

FILE 'MEDLINE, CAPLUS, BIOSIS, AGRICOLA' ENTERED AT 13:31:51 ON 03 NOV 2004

L1 30 S PROSTAGLANDIN (2N) ETHANOLAMIDE
L2 15 S L1 AND (COX OR CYCLOOXYGENASE OR COX?)
L3 7 DUP REM L2 (8 DUPLICATES REMOVED)
L4 46 S ETHANOLAMIDE AND (COX OR CYCLOOXYGENASE OR COX?)
L5 18 DUP REM L4 (28 DUPLICATES REMOVED)

FILE 'STNGUIDE' ENTERED AT 13:34:09 ON 03 NOV 2004

Advanced Correction



Window Activation

Password

Login

Application

Application No *

00524082

Patent No

Issue Date

Filing Date

08/07/2001

Examiner No

78386

PAK YONG D

GAU

1652

Class

435

Subclass

070210

Status

40

Abandoned

Inventor Name

MARNETT, LAWRENCE J

FAOM

Y

Disposal

N

Title of Invention

Compositions and methods for detecting and quantifying COX-2 activity and anandamide metabolites

Case History

No	Short Description	Action Date	Action Status	Application Status	Dispose	FAOM	Userid
25.00	Count NF Rej	09/14/2004	WFLM	40	0.0	1.0	lpendergrast
24.00	Forward to Exmr.	09/14/2004	COMP	0	0.0	0.0	lpendergrast
23.00	Election Filed	06/14/2004	COMP	71	0.0	0.0	lpendergrast
22.00	Extension Grant	06/14/2004	COMP	0	0.0	0.0	lpendergrast
22.00	Delete Trans	09/14/2004	COMP	0	0.0	0.0	lpendergrast
22.00	Extension Grant	08/14/2004	DLET	0	0.0	0.0	lpendergrast
21.00	Extension Grant	06/14/2004	COMP	0	0.0	0.0	lpendergrast
20.00	WAMD	06/14/2004	COMP	0	0.0	0.0	mmohammed
26.00	Count NF Rej	11/15/04	WFML	40	0.0	1.0	lpendergrast

Correction Action *

Display Groups

Delete

OK

Close

Clear

Print

Related Actions

No	Short Description	Duration	Due Date	Responsible Party	Action Status
<input type="text"/>					

Print current window

blmccn